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DESCRIPTORS: *Cardiovascular system, Dogs,
*Radiation sickness, *Fission products, *Uranium,
Heart, Blood pressure, Atrophy, Cardiac muscle.

A drop in pulse rate, which is later replaced by
tachycardia, occurs in dogs during the first days
postirradiation by uranium fission products ingested or
inhaled. At the climax of radiation sickness the arterial
pressure drops and weakening of the cardiac impulse,
dullness of tones, and sometimes a pendulum rhythm
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